This Page Is Inserted by IFW Operations and is not a part of the Official Record

BEST AVAILABLE IMAGES

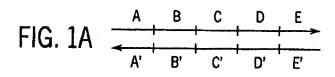
Defective images within this document are accurate representations of the original documents submitted by the applicant.

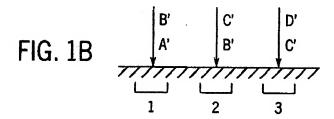
Defects in the images may include (but are not limited to):

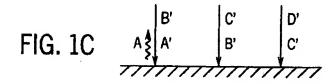
- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

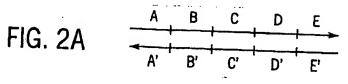
IMAGES ARE BEST AVAILABLE COPY.

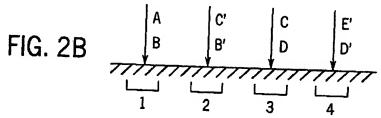
As rescanning documents will not correct images, please do not report the images to the Image Problem Mailbox.

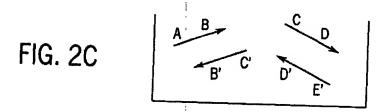


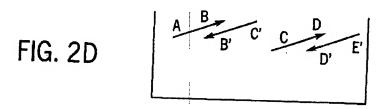


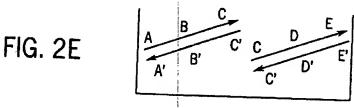


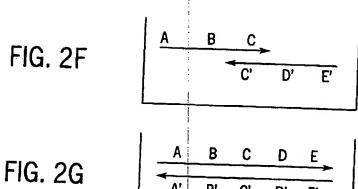


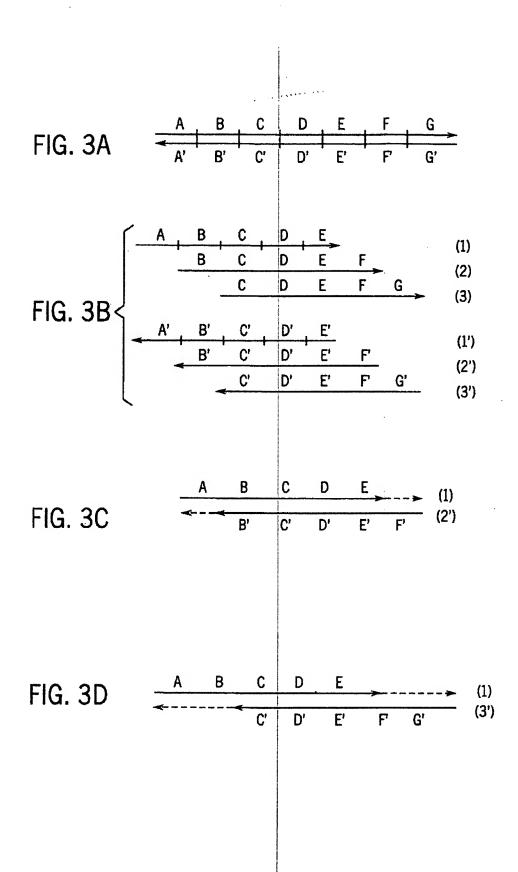


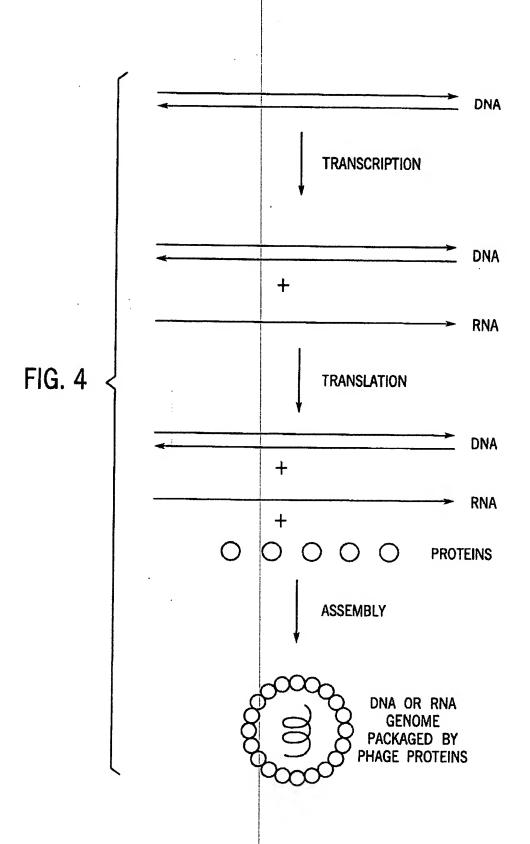












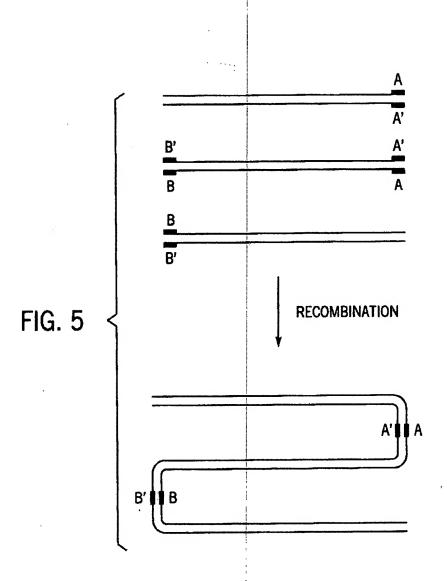
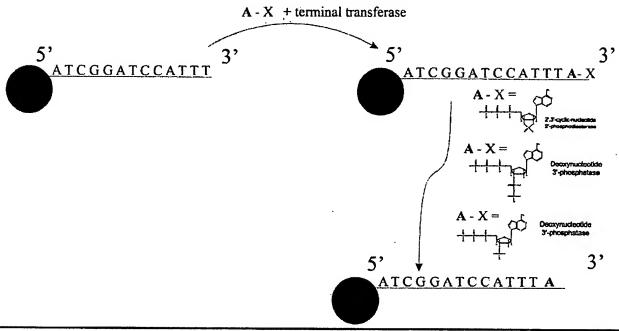
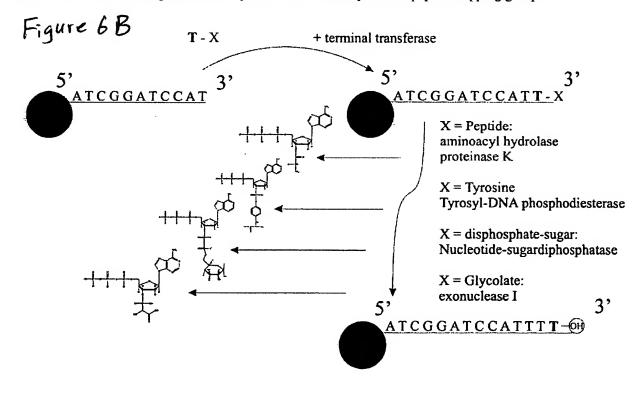


Figure 6A

Single strand oligonucleotide synthesis with phosphate or derivative capping group



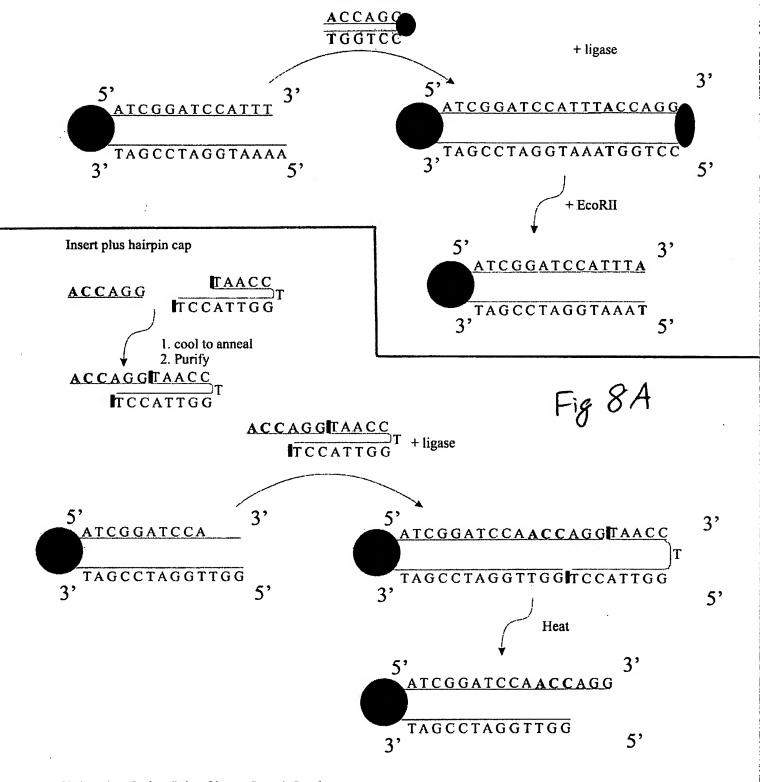
Single or double strand oligonucleotide synthesis with carbohydrate or peptide capping group.



Christopher Emig - Brian Chow - Joseph Jacobson Nov 17, 2003

Figure 7

Double stranded oligonucleotide synthesis with restriction site oligonucleotide cap.



Christopher Emig - Brian Chow - Joseph Jacobson Nov 17, 2003

illustrations by CJE

Figure 8B

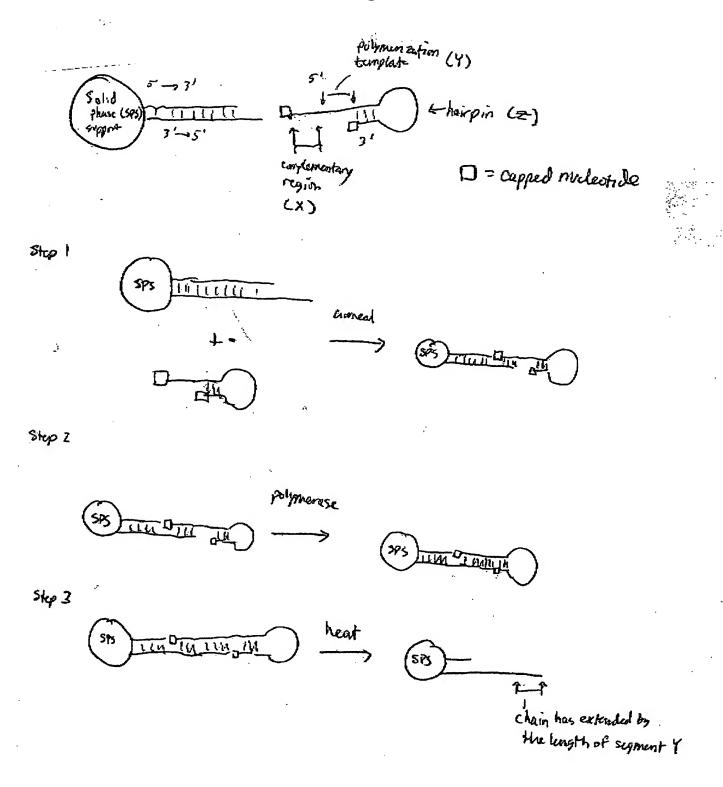
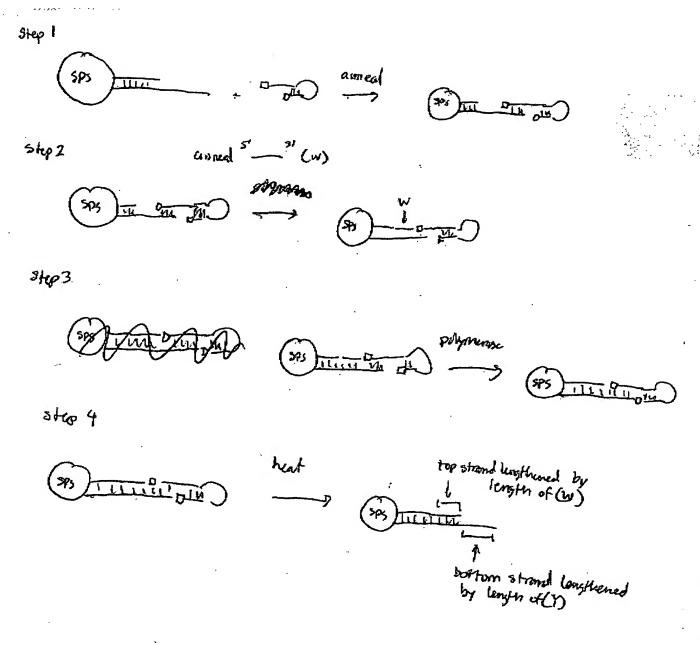


Figure 8C



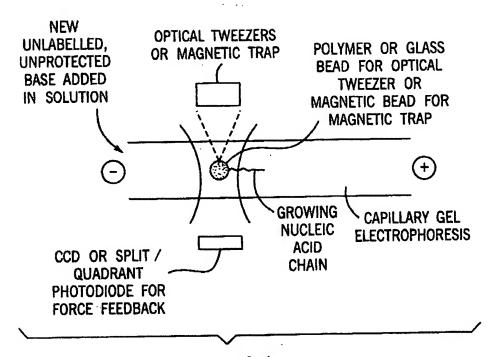


FIG. 9A

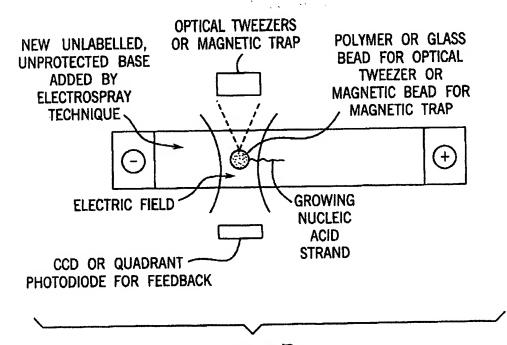


FIG. 9B

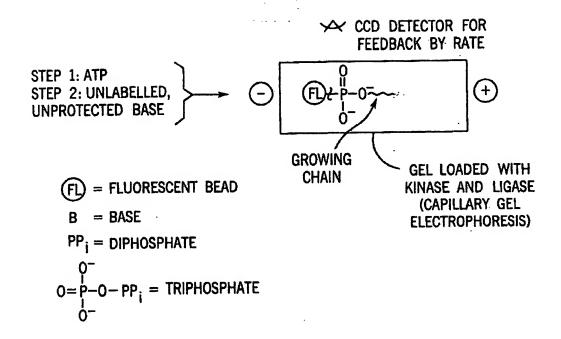


FIG. 10

Figure 11A

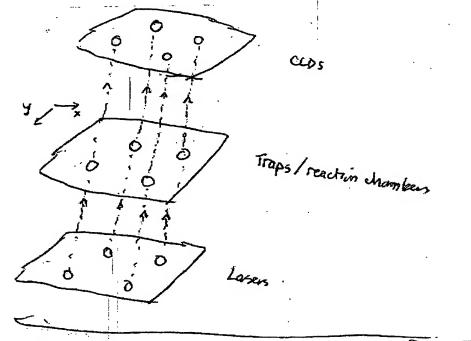
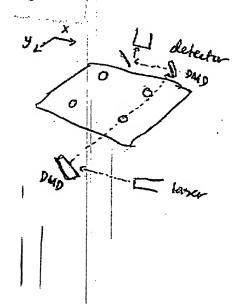
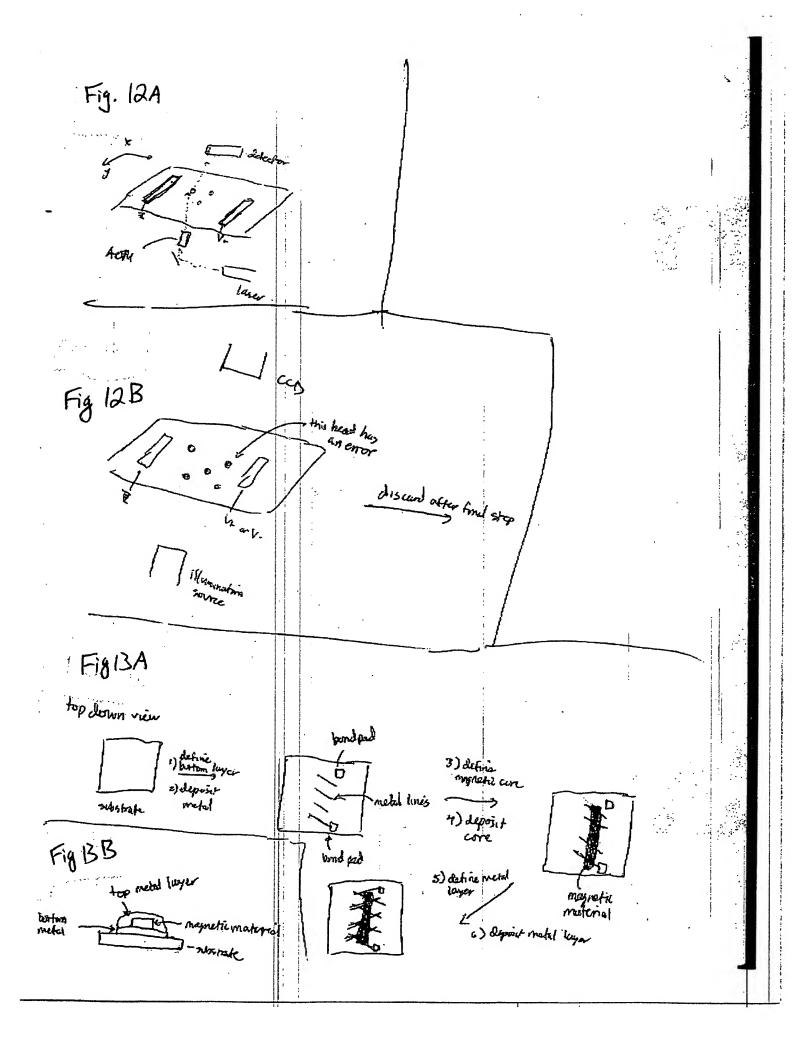
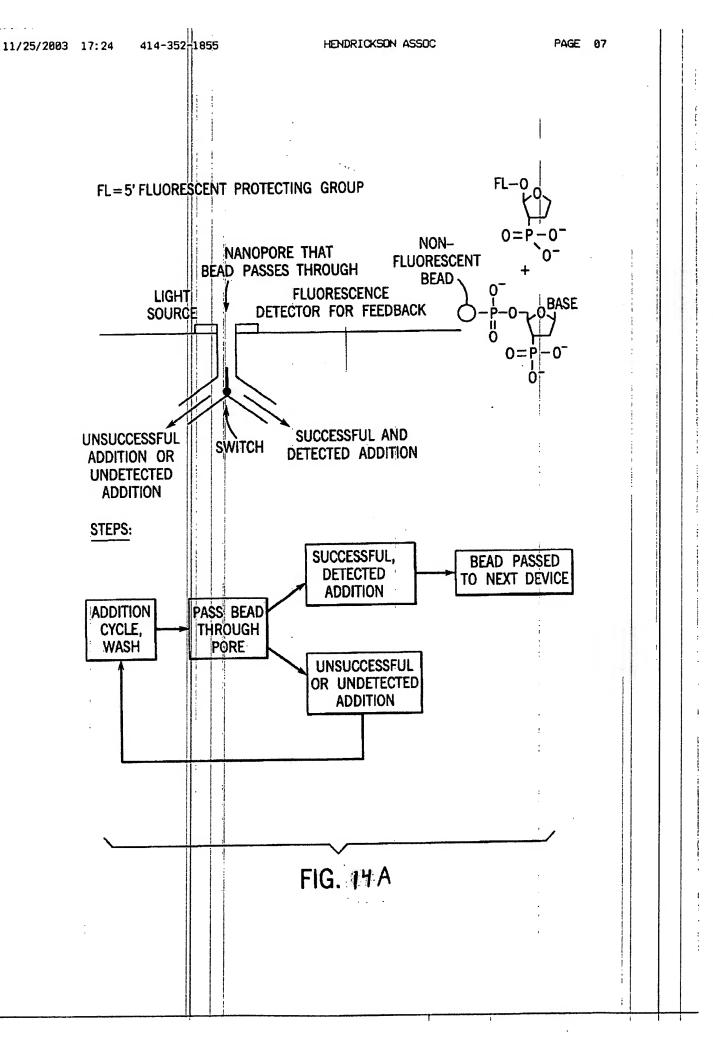


Figure 11 B







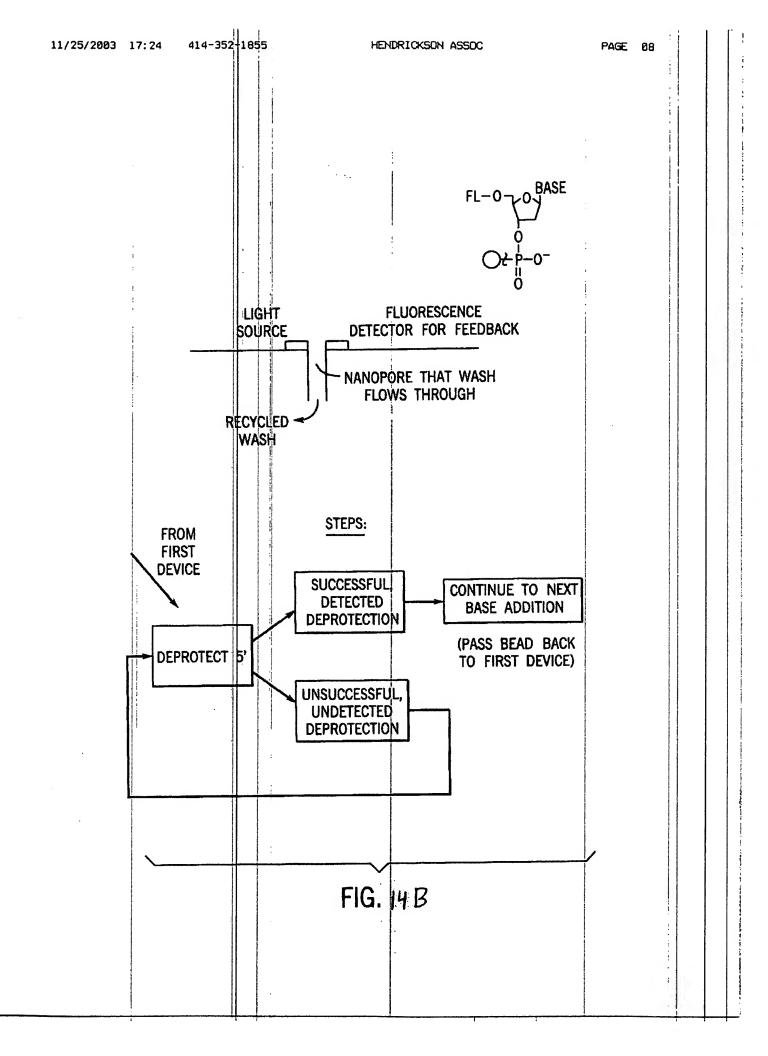


Figure	15B		

Figure 15C	
	esekhisioineleksikannoiseksikoineleineleinen pain samiinendinesekkoneleksiooneleksiooneleksioonele

Figure 15D		
	- C	
		en en el el en

Top down

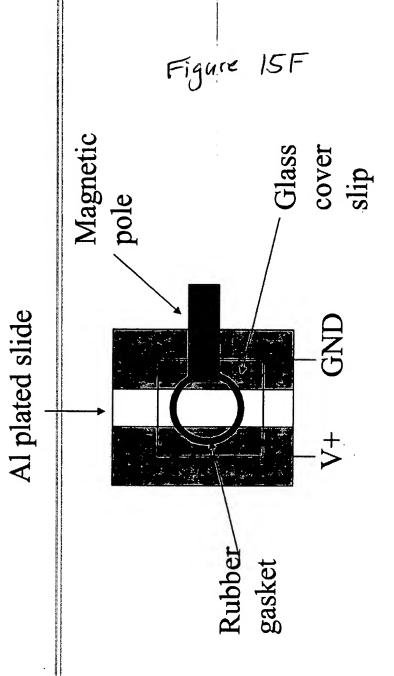
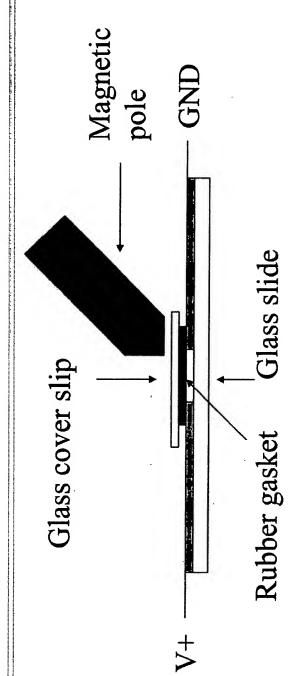


Fig. 15G

Side view



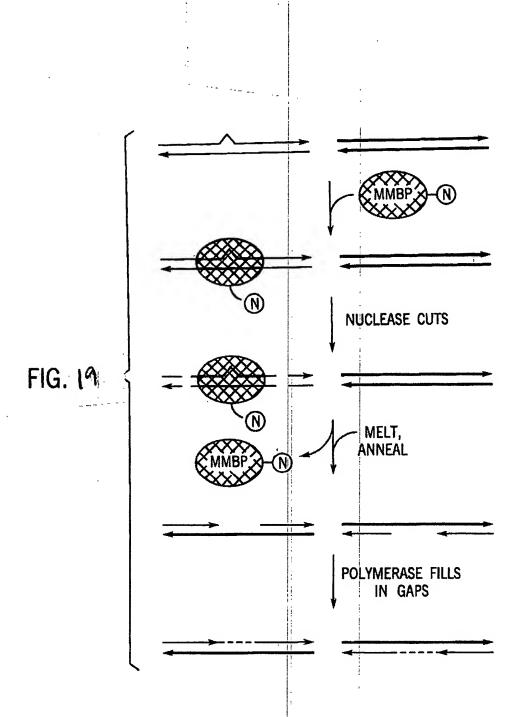
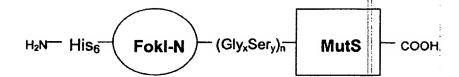
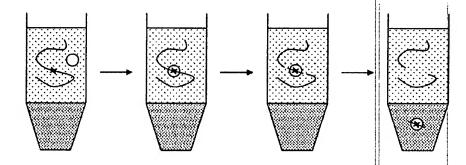


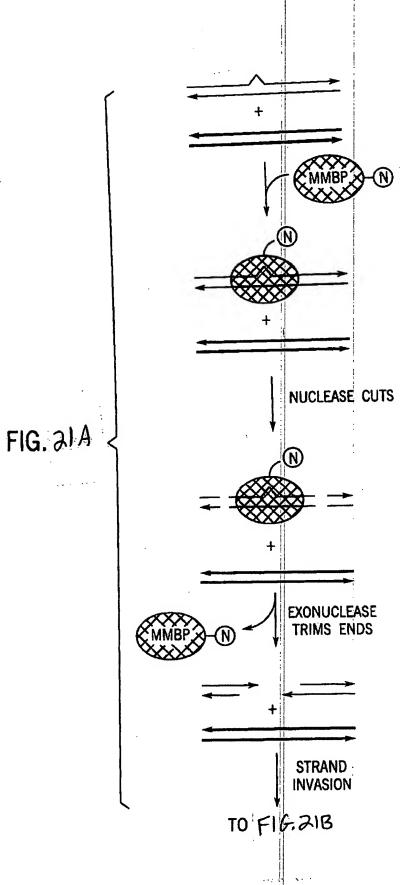
Figure 20

A)

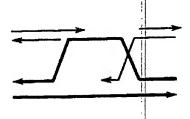


B)







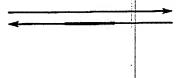


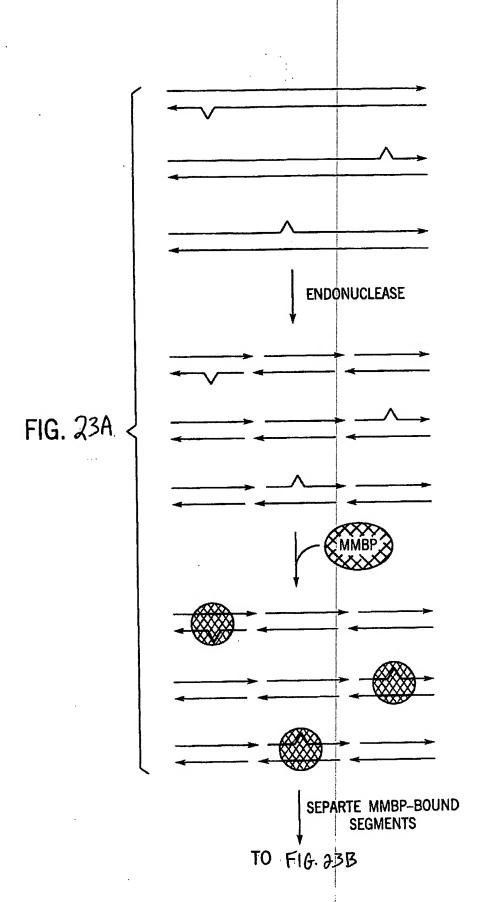
DNA SYNTHESIS, BRANCH MIGRATION

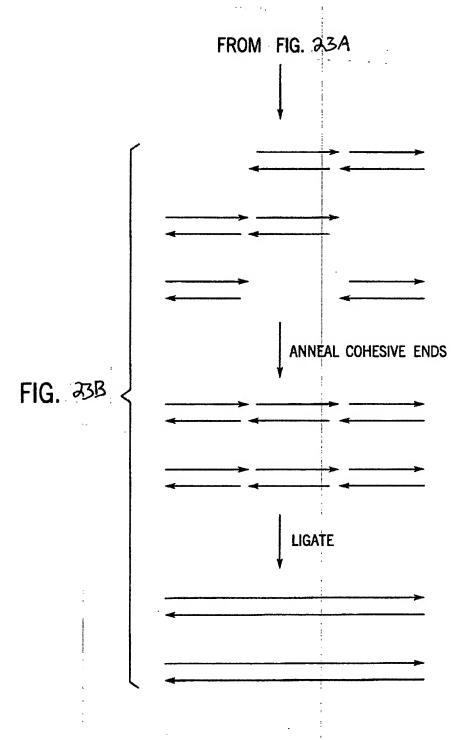
FIG. 21B



RESOLUTION







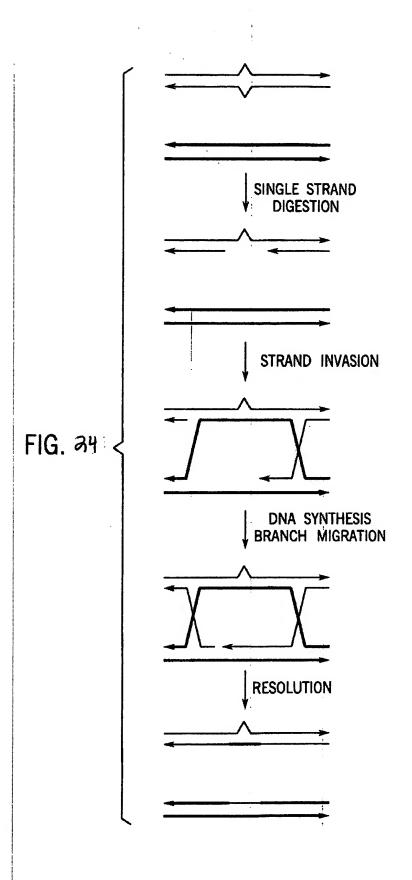


Figure 25

